Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/17/2020 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126844	1	2.95	126901	2.98
Blue	F	SSC	125000	126316	1	2.56	127069	2.55
Blue	E	FITC	15892	15591	-2	3.07	340	21.54
Blue	D	PE	29999	29969	-1	2.27	654	15.81
Blue	B	PerCP-Cy5-5	43732	44251	1	3.95	1190	20.82
Blue	A	PE-Cy7	30845	31415	1	6.35	600	42.00
Red	C	APC	46112	46068	-1	2.59	1625	12.11
Red	A	APC-Cy7	30458	30457	-1	2.53	802	11.82
Violet	B	V450	7918	7801	-2	4.32	443	12.83
Violet	A	V500	32171	31895	-1	4.14	747	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17545	13.26	633	12	N/A	N/A	Pass
Blue	F	SSC	57998	1.89	573	14	N/A	N/A	Pass
Blue	E	FITC	62	65.51	548	5	0.0165	91	Pass
Blue	D	PE	138	49.94	555	7	0.1244	190	Pass
Blue	B	PerCP-Cy5-5	218	51.40	662	6	0.0087	68	Pass
Blue	A	PE-Cy7	109	106.75	705	7	0.0104	20	Pass
Red	C	APC	387	24.94	585	1	0.0245	122	Pass
Red	A	APC-Cy7	176	28.43	557	1	0.0058	983	Pass
Violet	B	V450	67	57.53	462	4	0.0526	1962	Pass
Violet	A	V500	111	32.35	478	4	0.0228	584	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.00	-32.22	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.95	13.60 - 20.40	N/A	N/A	29.31	30.16	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10370

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments